ABSTRACT

In the pressure oscillation generator 1, self-excited vibration is generated in a work transfer tube 30 by heating a heat input section 22 and also a resonator 50 is resonated, and when a work is inputted into a heat exchanger 20, the work is amplified by the heat exchanger 20, and is transferred to the heat transfer tube 30 and is then outputted to an output section 40. Because of the configuration, an outputted work can be amplified to a work larger than the inputted work, so that, by using a portion of the outputted work as energy for driving the cylinder 10, the pressure oscillation generator 1 can continuously be driven only by heating and without using electric energy generated by a large scale solar system or the like, which enables substantial size reduction of the pressure oscillation generator 1.